

CLIMATOLOGICAL DATA FOR AUGUST, 1911.

DISTRICT No. 1, NORTH ATLANTIC STATES.

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GENERAL SUMMARY.

The month of August, 1911, presented some marked contrasts, the first decade being very hot and dry, the last decidedly cool and wet, while during the intervening period the weather was generally pleasant and in most respects nearly normal. The first ten days of the month were quite unfavorable in view of the dryness of the soil in most sections at that time. There was a general insufficiency of rain from about the middle of June until the close of the first or second week of August, which resulted in great injury to vegetation, pastures becoming short and streams reaching very low stages. Dry weather continued over much of New York, New Jersey, and New England until the 25th, though some relief was afforded by the showers of the 15th and 18th.

The period of heavy rains that occurred during the last week of August, particularly over the Atlantic coast plain, was the most prominent feature of the month. The total rainfall of this period amounted to more than 8 inches in many localities and over nearly all the coast plain it constituted from 60 to 80 per cent of the total for the month.

The following table summarizes the leading meteorological features for the various sections of the district:

States, or parts of States, within district No. 1.	Temperature.				Precipitation.				Average number of	
	Average.	Departure.	Highest.	Lowest.	Average.	Departure.	Greatest total.	Least total.	Rainy days.	Clear days.
New England States.....	66.9	-0.3	97	34	4.86	+1.14	9.79	1.90	9	13
New York.....	68.3	+1.2	99	34	5.27	+1.51	10.02	2.21	10	13
Pennsylvania.....	71.4	+1.8	102	36	8.06	+3.93	12.99	3.50	13	11
New Jersey.....	72.1	+0.3	101	39	8.91	+4.29	14.74	5.31	11	10
Maryland, Delaware, and District of Columbia.....	75.2	+1.4	104	46	9.85	+5.94	15.63	3.59	14	13
West Virginia.....	72.2	+2.1	102	40	8.42	+5.04	10.85	5.57	13	10
Virginia.....	75.9	+2.1	102	46	7.73	+3.59	11.48	4.55	13	12

TEMPERATURE.

The average temperature for the district was nearly 72°, which is considerably above the normal and about 4° higher than the average for August, 1910. Though the monthly mean temperature was lower than usual over much of New England and at some of the stations nearest the coast in New York, New Jersey, and Pennsylvania, the interior of Pennsylvania and the more northern States in the district experienced an unusually warm August. Over the greater part of these regions the mean temperature was the highest for August since 1906. The highest mean temperature reported in the district

was 79.8°, at Eastville, Va., and the lowest was 62°, at Eastport, Me.

Hot weather prevailed over the district during the first decade or longer, the highest temperatures for the month being recorded on various dates from the 1st to the 11th, but chiefly on the 10th or 11th. The highest temperature for the entire district was 104°, at Green Spring Furnace, Md., and temperatures of 100° or above were recorded also in Pennsylvania, New Jersey, West Virginia, and Virginia, but the hot period of August produced no such disastrous effects as were experienced in the large cities one month earlier. Over most of Maine, New Hampshire, Vermont, and extensive areas in New York the temperature did not reach 90° during the month, while in the southern States of the district the hot weather of the daytime was of short duration and sufficiently relieved by cool nights to prevent the occurrence of any remarkable number of prostrations.

From the 12th to the 24th the weather was changeable, the warmest days being the 14th and 17th, each of which was preceded and followed by cooler weather. The lowest temperatures occurred about the beginning or end of the third decade. These were not as low as usually occur in August and were generally above 40°, except in elevated regions of New England, New York, and Pennsylvania. Over most of Virginia, Maryland, and Delaware the lowest temperatures were above 50°. The lowest temperature recorded in the district was 34°, at Presque Isle, Me., Indian Lake, N. Y., and Morehouseville, N. Y. At the two stations last named the lowest temperature for August is usually a little below the freezing point, and has been as low as 20°.

During the last week of the month the temperature was almost continuously below the normal, owing chiefly to the influence of the prevalence of rainy and cloudy weather and the northerly to easterly winds that attended the remarkable storms of that period.

PRECIPITATION.

Although the rainfall was remarkably heavy the month contained an unusual amount of dry weather. In fact the rainfall was much less than the normal until the 24th after which heavy rains occurred almost daily throughout the district. About half the stations in New York had less than 1.50 inches of rain before the 25th, or less than half the normal. Similar conditions prevailed throughout New England, but in other States the deficiency during this period was not so great. There were showers over extensive areas in various sections on the 3d, 4th, 6th, 11th, 15th, and 18th, but these were generally light and, in the greater part of the district, did not supply an adequate amount of moisture.

Beginning with the 24th, a remarkable series of storms passed over the district, two of these coming from the

lake region, one from the lower Mississippi Valley, and the last from along the South Atlantic coast. Heavy rains resulted daily over the entire coast region and somewhat less frequently over the rest of the district. A large number of stations reported daily amounts of rainfall exceeding 3 inches on various dates during this period. On the 30-31st many stations reported a 24-hour rainfall of from 4 to 6 inches. The greatest daily amount for the period was 7.31 inches, at Tuckerton, N. J., on the 26-27th. Annapolis, Md., reported a rainfall of 7.35 inches on the 3d, which was the greatest daily amount recorded within the district during the month. The heavy rains resulted in swollen streams that damaged or destroyed many bridges and roads and flooded lands and crops in the southern part of the district, particularly in the vicinity of Philadelphia and Baltimore and in southern New Jersey.

The average rainfall for the district was 7.59 inches, which is 3.63 inches more than the normal. The greatest amount reported at any station was 15.63 inches, at Fallston, Md., and the least was 1.90 inches, at Bar Harbor, Me. At Fallston, Md., the rainfall of the last seven days of the month was 10.76 inches. The rainfall for August in Pennsylvania, New Jersey, and Maryland was the greatest in any month for several years. In Pennsylvania it was the greatest in the history of the climatological service, except in May, 1894.

On the other hand, there were extensive areas in the district where the rainfall for the month was less than the normal. A deficiency was reported at 14 stations in New England and 11 in New York.

RIVER CONDITIONS.

The rivers for the month were generally low, but not exceptionally so. There was a marked rise after the 25th, particularly in Pennsylvania and in the southern States of the district. The height of the water in the Hudson River and its tributaries was slightly below the August average, except at Schenectady and Troy, where it was slightly above. Low-water stages for August were broken at Albany and Trenton Falls.

SUNSHINE.

The percentage of sunshine was unusually low, the average for 15 stations being only 57 per cent, although at Atlantic City the percentage was 72. The total sunshine for the month in hours averaged 244, ranging from 305 hours at Atlantic City to 182 hours at Hartford, Conn. There was much less sunshine in August than in either of the two preceding months, June averaging 264 hours and July 303 hours. The number of days with 80 per cent or more of the possible sunshine averaged 10, and the number with 20 per cent or less 6.

TABLE 1.—Climatological data for August, 1911. District No. 1, North Atlantic States.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.	
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmeted).	Number of rainy days, 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.		
Maine.																			
Bar Harbor.	Hancock.	20	25	64.8	+ 0.3	85	10	48	21†	28	1.90	- 1.27	0.70	0	6	17	4	10	se.
Cornish.	York.	778	56	67.0	+ 0.8	94	10	43	21	42	3.13	- 1.32	1.32	0	8	13	6	12	n.
Eastport.	Washington.	53	39	62.0	+ 2.3	83	10	50	28	25	2.53	- 0.73	1.08	0	7	9	13	9	s.
Fairfield.	Somerset.	90	26	65.6	+ 0.2	87	10	44	31	31	2.33	- 0.62	1.35	0	4	16	10	5	.....
Farmington.	Franklin.	450	14	65.6	+ 0.9	91	10	42	13	42	3.90	+ 0.22	1.15	0	8	9	10	12	s.
Gardiner.	Kennebec.	163	19	66.0	- 2.4	90	15	47	21†	33	2.59	+ 0.75	1.14	0	8	17	7	7	sw.
Greenville.	Piscataquis.	1,000	7	62.8	.....	82	1†	41	31	32	4.06	.....	0.78	0	12	4	10	.....
Houlton.	Aroostook.	362	9	66.4	.....	89	5	40	25†	36	2.80	.....	1.90	0	4	22	2	7	w.
Lewiston.	Androscoggin.	185	37	66.7	- 0.4	90	10	50	21	31	2.34	- 0.97	0.89	0	7	9	8	14	nw.
Madison.	Somerset.	257	8	64.6	.....	89	1	43	13†	34	7.01	.....	3.10	0	9	20	9	9	nw.
Millinocket.	Penobscot.	386	8	65.4	.....	86	6	41	31	34	3.90	.....	1.38	0	9	14	8	9	nw.
North Bridgton.	Cumberland.	450	18	66.9	- 0.3	93	10	45	21	38	2.82	- 0.05	0.72	0	7	8	10	13	se.
Orono.	Penobscot.	129	42	66.2	+ 0.7	88	1†	40	24	44	2.94	- 0.57	0.89	0	6	5	14	12	w.
Patten.	do.	550	9	63.8d	.....	85d	7†	37d	25†	38	4.55	.....	1.82	0	6	15d	5d	4d	sw.
Portland.	Cumberland.	99	40	64.6	- 1.6	86	23	51	20	28	2.56	- 1.01	0.68	0	11	7	10	14	s.
Presque Isle.	Aroostook.	2	64.8	.....	88	4	34	31	40	2.87	.....	1.25	0	4	19	4	8	s.	
Rumford Falls.	Oxford.	505	18	65.8	+ 0.1	87	10	46	31	31	4.85	+ 1.78	2.09	0	8	18	8	5	nw.
Winslow.	Kennebec.	90	16	67.3	.....	90	10†	45	31	38	2.63	.....	1.50	0	6	9	12	10	s.
New Hampshire.																			
Alstead Center.	Cheshire.	1,120	7	65.4	.....	86	10	42	30	28	3.79	.....	1.38	0	12	15	7	9	nw.
Benton.	Grafton.	2	64.2	.....	85	1	38	29	32	4.42	.....	0.96	0	8	17	7	7	w.	
Bethlehem.	do.	1,470	19	64.0	- 0.2	85	1†	43	21†	32	0.07	+ 2.15	3.21	0	10	18	5	8	sw.
Concord.	Merrimack.	350	51	66.4	- 0.2	92	10	44	21	36	4.24	+ 0.50	2.05	0	10	9	13	9	se.
Durham.	Stafford.	88	16	65.6	- 2.4	93	10	38	20	35	4.26	+ 1.18	0.98	0	7	12	10	19	nw.
Franklin.	Merrimack.	410	12	67.0	.....	92	10	41	21	41	3.99	.....	2.25	0	10	13	9	9	sw.
Grafton.	Grafton.	863	25	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hanover.	do.	603	77	66.4	+ 0.3	90	10	41	21	38	3.40	+ 0.01	1.30	0	7	2	15	14	sw.
Keene.	Cheshire.	506	26	67.0	+ 0.8	93	10	39	21	44	3.90	- 0.28	0.78	0	12	13	11	7	ne.
Nashua.	Hillsboro.	125	26	68.3	.....	96	10	41	24	40	5.17	.....	2.03	0	9	12	10	10	.....
Newton.	Rockingham.	23	65.6	- 1.4	93	10	43	21	38	4.41	+ 1.26	1.33	0	7	9	17	5	se.	
Plymouth.	Grafton.	500	23	65.2	- 0.5	88	10	40	21	38	2.53	- 1.98	0.73	0	7	16	3	12	w.
Vermont.																			
Bloomfield.	Essex.	4	64.4	.....	89	6†	37	24	38	5.49	.....	1.53	0	10	17	7	7	s.	
Cavendish.	Windsor.	910	8	66.5b	.....	94	10	40	21	42	2.93	.....	0.80	0	11	16a	3a	6a	w.
Chelsea.	Orange.	840	16	63.2	- 0.7	90	1	36	21	42	5.51	+ 2.24	3.40	0	8	10	6	15	n.
Jacksonville.	Windham.	1,000	26	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Manchester.	Bennington.	980	12	66.9	.....	89	10	44	20†	33	2.77	.....	2.03	0	3	10	14	7	sw.
St. Johnsbury.	Caledonia.	711	18	66.5	+ 2.1	91	1	41	21	39	5.19	+ 1.36	1.92	0	9	14	7	10	nw.
Woodstock.	Windsor.	700	19	65.6	+ 0.3	88	10	40	21†	37	2.69	- 0.85	1.34	0	5	13	5	13	.....
Massachusetts.																			
Amherst.	Hampshire.	222	22	68.4	+ 0.2	94	10	44	21	40	5.92	+ 1.65	1.41	0	10	13	10	8	nw.
Blue Hill.	Norfolk.	610	27	66.6	- 0.8	90	10	51	20	47	6.70	+ 2.53	2.26	0	11	10	7	14	.....
Boston.	Suffolk.	124	41	69.0	+ 0.1	92	10	56	21	27	4.17	+ 0.14	1.17	0	9	12	5	14	e.
Chestnut Hill.	do.	124	31	69.0	- 0.6	92	10†	49	21	35	5.01	+ 0.73	1.25	0	11	22	2	9	.....
Clinton.	Worcester.	370	15	68.0	.....	92	10	52	19†	29	5.31	.....	1.21	0	10	16	1	14	.....
Concord.	Middlesex.	139	21	66.9	- 1.4	93	10	44	21	38	4.60	+ 0.48	1.09	0	12	10	9	12	sw.
Fall River.	Bristol.	200	45	69.1	- 0.8	85	1†	55	20†	23	4.48	- 0.65	1.60	0	12	17	7	8	ne.
Fitchburg.	Worcester.	550	23	69.0	+ 0.7	95	10	50	21	34	6.48	+ 1.68	1.35	0	12	15	8	8	w.
Framingham.	Middlesex.	160	31	69.0	+ 0.2	97	10	46	21	39	4.66	+ 0.59	1.28	0	11	21	11	9	.....
Hyannis.	Barnstable.	31	20	67.4	- 3.9	84	10	51	19	21	7.12	+ 3.89	2.12	0	8	12	13	6	sw.
Lawrence.	Essex.	51	27	67.6	- 2.0	90	14	51	14†	39	5.56	+ 1.54	1.65	0	10	8	18	5	sw.
Lowell.	Middlesex.	100	26	70.8	+ 1.4	94	10	50	21	33	5.75	+ 1.49	1.81	0	8	10	5	14	.....
Middleboro.	Plymouth.	53	25	67.4	- 0.1	90	10	44	21	40	3.30	- 0.34	1.37	0	10	5	14	12	ne.
Monson.	Hampden.	420	27	67.5	- 0.2	90	10	45	21	32	7.62	+ 3.58	2.30	0	11	16	10	5	nw.
Nantucket.	Nantucket.	15	25	67.4	- 0.6	85	1	54	31	25	8.03	+ 4.97	4.56	0	12	11	11	9	sw.
New Bedford.	Bristol.	88	99	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Norfolk.	Plymouth.	244	8	67.7	.....	91	1†	41	21	41	5.34	.....	2.43	0	8	8	7	16	w.
Plymouth.	Plymouth.	26	66.1	.....	84	11	51	20	27	4.14	.....	0.85	0	9	17	8	6	e.	
Provincetown.	Barnstable.	40	24	66.8	- 2.4	82	11†	52	4	22	4.17	+ 0.99	1.22	0	8	17	0	14	sw.
Rockport.	Essex.	25	9	64.2	.....	80	23	54	20†	24	4.58	.....	1.10	0	11	9	9	13	sw.
Rutland.	Worcester.	1,160	9	66.8	.....	91	10	48	19	30	6.19	.....	1.75	0	10	15	7	9	sw.
South Egremont.	Berkshire.	764	9	63.4	.....	86	1†	38	21	35	6.01	.....	2.01	0	11	11	11	11	w.
Turners Falls.	Franklin.	200	20	68.8	+ 1.2	91	10	49	20†	33	6.64	+ 3.54	2.45	0	8	8	8	8	.....
Westboro.	Worcester.	298	37	70.5	- 0.8	90	10†	48	21	40	4.42	+ 0.29	2.10	0	9	11	11	11	.....
Williamstown.	Berkshire.	711	30	67.4	+ 2.1	88	10	44	21	35	4.41	+ 0.25	1.09	0	8	10	12	9	se.
Worcester.	Worcester.	518	19	69.4	+ 1.0	90	10	51	21	24	4.77	+ 1.35	1.01	0	10	14	8	9	sw.
Rhode Island.																			
Block Island.	Newport.	26	31	68.3	- 0.4	84	10	56	31	17	9.79	+ 6.31	3.62	0	10	13	5	13	sw.
Bristol.	Bristol.	53	25	69.2	-														

TABLE 1.—Climatological data for August, 1911. District No. 1—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.					Precipitation, in inches.					Sky.	Prevailing wind direction.	Observers.			
				Mean.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmeasured.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.			
<i>New York.</i>																			
Addison.	Steuben.	1,000	21	70.2	+ 2.2	98	7†	42	20	50	6.26	+ 2.99	3.66	0	15	15	8	sw.	Dr. H. R. Ainsworth.
Albany.	Albany.	97	90	71.0	+ 1.5	95	10	50	21	33	4.53	+ 0.57	1.62	0	9	14	9	s.	U. S. Weather Bureau.
Alfred.	Allegany.	1,976	16	67.2	+ 1.7	90	11	41	20	37	7.00	+ 3.33	1.70	0	16	16	4	w.	Prof. F. S. Place.
Amsterdam.	Montgomery.	277	7	68.4	—	94	10	44	21	40	2.61	—	1.20	0	9	19	8	sw.	Emery Elwood.
Athens.	Greene.	90	9	70.0	—	93	10	48	21	35	7.43	—	2.66	0	9	12	10	s.	E. C. Brooks.
Ballston Lake.	Saratoga.	400	7	68.8	—	93	10	42	21	39	2.31	—	0.63	0	12	16	5	sw.	George R. Schaubert.
Bedford.	Westchester.	450	20	71.4	+ 1.2	95	10	48	31	40	7.43	+ 2.40	1.85	0	12	16	5	10	Dr. L. Rosenberg.
Binghamton.	Broome.	875	20	68.2	+ 0.7	92	10	42	21	39	2.32	—	1.03	0	9	5	7	19	U. S. Weather Bureau.
Bouckville.	Madison.	1,350	14	66.4	+ 1.2	88	1	44	21†	35	4.17	+ 0.60	2.11	0	11	3	10	18	L. W. Griswold.
Boyd's Corners.	Putnam.	560	29	—	—	—	—	—	—	—	—	—	—	0	—	—	—	—	Thomas Manning.
Carmel.	do.	500	19	69.9	+ 0.3	95	11	48	20†	37	9.66	+ 4.37	3.71	0	9	16	2	13	Do.
Chatham.	Columbia.	470	10	69.6	+ 2.3	92	10	46	20†	38	7.00	+ 2.75	2.71	0	13	13	8	10	Morton R. Tank.
Cooperstown.	Otsego.	1,250	57	66.2	+ 0.8	88	1	42	21	32	7.39	+ 3.26	2.80	0	13	18	4	9	Miss Elizabeth C. Keese.
Corinth.	Saratoga.	542	9	—	—	—	—	—	—	—	2.79	—	1.40	0	9	—	—	—	A. M. Hollister.
Cortland.	Cortland.	1,129	49	—	—	92	11	—	—	—	3.69	—	0.11	0	12	13	10	8	F. G. Baker.
Cutchogue.	Suffolk.	32	34	70.0	- 0.4	92	10	55	5†	30	10.02	+ 6.33	4.49	0	10	14	12	5	William A. Fleet.
De Ruyter.	Madison.	1,300	8	68.0	—	87	1†	41	20	32	3.56	—	1.47	0	11	9	10	12	B. D. Crandall.
Glens Falls.	Warren.	340	20	69.8	+ 2.1	95	10	42	21	41	2.81	—	1.06	0	10	10	9	12	Prof. C. L. Williams.
Gloversville.	Fulton.	850	19	66.8	+ 0.6	92	1	41	21	39	3.55	—	0.50	1	12	11	13	7	W. L. McLean.
Greenfield Center.	Saratoga.	314	13	68.2	+ 1.0	93	11	47	12†	41	2.83	—	1.34	0	7	14	10	7	S. E. Darrow.
Greenwich.	Washington.	425	14	71.6	+ 3.9	99	10	45	20†	42	2.61	—	1.06	0	10	22	9	0	Homer J. Whitcomb.
Griffin Corners.	Delaware.	2,260	11	66.0	+ 3.1	90	10	35†	20	45	5.43	+ 1.43	1.65	0	10	15	6	10	Harold O. Judd.
Haskinville.	Steuben.	16	—	—	—	—	—	—	—	—	—	—	1.97	0	15	—	—	—	W. G. Collins.
Homer.	Cortland.	20	66.2	+ 1.2	90	10	42	21	39	3.37	—	1.42	0	9	16	5	10	Charles C. Mortimer.	
Hoosick Falls.	Rensselaer.	410	9	—	—	—	—	—	—	—	4.45	—	1.52	0	10	18	7	6	Sanford L. Cluett.
Indian Lake.	Hamilton.	1,705	12	64.0	+ 1.8	91	1†	34	21†	42	2.56	+ 0.91	1.20	0	7	13	9	9	Lester Sevier.
Jeffersonville.	Sullivan.	1,240	8	67.6	+ 1.7	95	10	37	20†	47	4.27	—	1.80	0	7	16	8	7	Charles Wilbert, jr.
Liberty.	do.	2,300	29	66.4	+ 1.7	92	11	45	5†	32	6.14	+ 1.85	2.50	0	13	15	2	14	Dr. H. M. King.
Little Falls.	Herkimer.	924	13	67.8	+ 1.2	91	1†	46	21†	36	3.03	—	0.71	0	10	21	8	2	O. J. Demster.
Mohonk Lake.	Ulster.	1,245	15	69.4	+ 2.4	90	11	47	31	27	5.85	+ 0.79	1.75	0	10	18	4	9	A. K. Smiley.
Morehouseville.	Hamilton.	1,697	3	62.9	—	87	1	34	20	40	4.66	—	1.75	0	8	21	6	4	Theo. C. Remonda.
Morrisville.	Madison.	0	66.6	—	—	88 ^d	2†	40 ^d	20	42 ^d	3.24	—	1.70	0	10	—	—	—	Prof. I. M. Charlton.
Mount Hope.	Westchester.	200	14	72.5	+ 2.5	93	11	53	31	34	8.59	+ 3.28	2.10	0	11	5	18	8	W. A. Cornelius.
Newark Valley.	Tioga.	625	24	—	—	—	—	—	—	—	4.22	+ 0.13	1.69	0	11	—	—	—	M. D. Clinton.
New Berlin.	Chenango.	600	4	62.6	—	89	5	34	30†	43	2.48	—	1.31	0	9	11	4	16	Roger Greene.
Newcomb.	Essex.	1,600	0	62.6	—	89	5	34	30†	43	3.69	—	1.15	0	5	—	—	—	Edward Spain.
New Lisbon.	Otsego.	1,234	21	63.8	+ 0.5	89	1†	35	21	41	4.38	—	0.25	0	10	9	7	15	G. A. Yates.
New York City.	New York.	314	86	71.8	- 0.4	92	11	54	30	24	7.35	+ 2.85	3.53	0	12	6	11	14	U. S. Weather Bureau.
North Creek.	Warren.	1,002	3	66.0	—	89	10	41	21	37	3.03	—	1.85	0	5	17	5	9	W. G. Kenwell.
Northville.	Fulton.	742	9	—	—	—	—	—	—	—	3.86	—	1.80	0	10	—	—	—	P. C. Pickard.
Norwich.	Chenango.	1,015	5	70.6	—	90 ^a	1†	43 ^d	21	35 ^d	3.60	—	1.40	0	9	—	—	—	P. L. Clark.
Oneonta.	Otsego.	1,112	17	68.6	+ 0.8	92	10	42	21	40	3.84	+ 1.08	0.98	0	9	18	5	8	H. W. Lee.
Oxford.	Chenango.	916	46	68.0	+ 2.2	89	10	43	21	35	4.61	+ 0.50	2.00	0	7	9	13	9	J. P. Davis.
Port Jervis.	Orange.	470	27	70.2	+ 1.0	95	10	41	21	42	6.69	+ 2.27	3.50	0	13	12	13	6	Frank E. Carruth.
Rome.	Oneida.	445	15	68.1	+ 1.1	90	2†	42	20	30	4.33	—	0.10	1	15	—	—	—	John O'Mara.
Salisbury.	Herkimer.	1,526	14	64.8	- 0.6	87	1†	40	21	38	2.74	—	2.39	0	8	17	10	4	Joseph Ryan.
Scarsdale.	Westchester.	200	7	69.2	—	92	11	50	31	35	7.47	—	2.40	0	16	13	12	6	C. H. Wilmarth.
Setauket.	Suffolk.	40	26	70.4	- 0.1	91	11	55	2†	31	8.30	+ 4.00	4.25	0	9	14	8	9	Selah B. Strong.
Sherburne.	Chenango.	4	—	—	—	—	—	—	—	—	2.99	—	1.18	0	5	—	—	—	E. B. Collins.
Southampton.	Suffolk.	36	10	69.2	+ 0.1	87	10†	52	22	25	7.16	+ 3.24	3.04	0	10	16	9	6	W. L. Jagger.
Southeast Reservoir.	Putnam.	310	6	65.2	—	93	10†	35	20	52	2.84	—	1.40	0	10	9	11	11	Thomas Manning.
Spier Falls.	Saratoga.	400	10	65.2	—	93	10†	35	20	52	2.84	—	1.42	0	7	—	—	—	George E. Fifield.
Trenton Falls.	Oneida.	751	8	—	—	—	—	—	—	—	4.25	—	1.50	0	7	—	—	—	C. W. Young.
Tribeshill.	Montgomery.	268	8	—	—	—	—	—	—	—	3.00	—	1.50	0	—	—	—	—	R. S. Marsfall.
Utica.	Oneida.	537	45	—	—	—	—	—	—	—	3.68	+ 0.04	1.85	0	10	—	—	—	W. E. Young.
Wading River.	Suffolk.	112	5	—	—	—	—	—	—	—	9.80	—	4.10	0	11	—	—	—	H. B. Fullerton.
Wappingers Falls.	Dutchess.	110	21	69.8	- 0.1	91	10	48	24	32	7.08	+ 2.37	2.18	0	11	15	10	6	H. C. Townsend.
Warwick.	Orange.	538	17	—	—	—	—	—	—	—	7.71	+ 3.37	3.17	0	9	—	—	—	John W. Sly.
Waverly.	Tioga.	824	29	69.6	+ 2.1	96	10	37	21†	54	4.02	+ 0.59	1.14	0	10	7	11	13	J. F. Shoemaker.
Wells.	Hamilton.	1,000	5	65.9	—	93	5	35	21	55	3.47	—	1.68	0	11	—	—	—	Vernon E. Dewey.
West Berne.	Albany.	946	12	67.4	+ 0.4	93	1†	36	21	50	2.77	—	1.09	0	8	9	11	11	W. J. Haverly.
West Point.	Orange.	167	62	72.2	0.0	94	11	52	21†	52	7.10	+ 2.26	2.30	0	7	14	5	12	U. S. Military Academy.
Windham.	Greene.	1,520	11	65.6	+ 1.2	88	10	39	21	43	3.99	+ 0.07	0.86	0	12	7	17	7	A. R. Mott.
<i>Pennsylvania.</i>																			
Altoona.	Blair.	1,181	23	74.0	+ 4.7	93	9†	50	21	32	4.62	+ 1.09	1.47	0	11	—	—	—	C. W. Billin.
Bethlehem.	Northampton.	260	10	75.1	+ 2.7	96	12	51	20	32	6.77	+ 2.42	2.03	0	14	13	6	12	Prof. E. C. Roest.
Clearfield.	Clearfield.	1,107	3	68.6	—	95	10	43	20†	42	6.60	—	1.43	0					

TABLE 1.—Climatological data for August, 1911. District No. 1—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.			
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unadjusted.	Number of partly cloudy days.	Number of clear days.	Number of partly cloudy days.	Number of clear days.			
<i>Pennsylvania—Contd.</i>																					
Selinsgrove.	Snyder.	455	23	72.2	+ .7	94	11	46	20	34	8.98	+ 4.46	2.28	0	15	0	22	9	se.		
State College.	Center.	1,191	23	69.8	+ 1.1	93	10	49	21	35	8.27	+ 4.30	1.89	0	15	0	10	1	w.		
Towanda.	Bradford.	754	16	71.2	+ 2.7	95	10	41	21	42	3.50	- .10	.94	0	10	14	3	14	e.		
Wellsboro.	Tioga.	1,327	34	68.0	+ 2.4	94	10	38	20	46	5.57	+ 2.07	1.28	0	10	14	10	7	sw.		
West Chester.	Chester.	455	57	73.3	+ 1.4	95	11	53	20	31	12.35	+ 8.82	4.37	0	17	6	15	1	se.		
Williamsport.	Lycoming.	530	21	73.8	+ 3.6	93	10	49	21	38	6.07	+ 2.01	2.18	0	1	17	1	13	nw.		
<i>New Jersey.</i>																					
Asbury Park.	Monmouth.	22	23	71.6	- 0.3	98	11	53	20	32	11.28	+ 6.14	3.52	0	9	10	11	10	e.		
Atlantic City.	Atlantic.	16	38	73.6	+ 1.0	92	17	56	20	37	3.32	+ 3.02	2.94	0	12	12	11	8	s.		
Bayonne.	Hudson.	50	21	72.3	- 0.6	95	11	54	21	30	8.60	+ 3.40	4.41	0	12	11	10	10	se.		
Belvidere.	Warren.	289	20	71.8	+ 1.0	94	11	47	20	34	7.58	+ 2.62	1.80	0	8	15	5	11			
Bergen Point.	Hudson.	37	14	71.2*	- 0.5	95	11	52 ^b	20	34 ^a	8.56	+ 3.50	4.63	0	9	10	10	11	se.		
Boonton.	Morris.	413	21	75.9	+ 0.8	100	11	52	21	36	5.88	+ 4.9	1.06	0	11	11	11	10			
Bridgeton.	Cumberland.	30	30	75.9	+ 0.1	96	10	51	21	33	8.55	+ 3.81	2.00	0	11	14	8	9	sw.		
Burlington.	Burlington.	12	27	71.8	+ 1.3	91	11	58	20	20	11.15	+ 5.54	2.73	0	15	10	11	10	nw.		
Canton.	Salem.	24	17	74.7	+ 1.3	91	11	58	20	20	8.22	+ 3.53	3.23	0	11	10	10	11			
Cape May City.	Cape May.	17	27	72.5	+ 0.5	93	10	40	21	43	7.27	+ 3.01	1.97	0	12	11	15	5	s.		
Charlotteburg.	Passaic.	719	19	68.2	+ 0.5	93	10	40	21	43	6.21	+ 1.46	1.68	0	11	10	12	9	se.		
Chatham.	Morris.	234	9	73.6	+ 0.1	96	10	51	21	33	5.47	- .01	1.40	0	11	11	11	10			
Clayton.	Gloucester.	126	18	73.6	+ 0.1	96	10	51	21	33	11.87	+ 6.72	2.15	0	12	10	11	10	sw.		
College Farm.	Middlesex.	100	16	72.1	0.0	95	11	50	20	36	12.68	+ 7.40	6.70	0	11	10	12	9	se.		
Culver's Lake.	Sussex.	848	10	73.6	+ 0.1	96	11	51	20	33	7.84	- .01	3.05	0	9	10	11	10	e.		
Dover.	Morris.	600	27	68.4	- 0.8	93	10	44	21	37	6.85	+ 1.85	1.74	0	12	4	13	14			
Elizabeth.	Union.	33	32	73.6	+ 0.1	96	11	51	20	33	7.36	+ 2.82	1.11	0	11	9	8	14	s.		
Flemington.	Hunterdon.	187	23	72.5	+ 0.7	97	10	49	20	36	8.16	+ 3.75	3.01	0	10	12	9	10	e.		
Haddonfield.	Camden.	75	24	73.0	+ 0.1	95	11	50	20	34	12.91	+ 8.32	2.96	0	15	9	10	12	se.		
Hampton.	Atlantic.	103	13	72.1	+ 0.2	98	11	47	20	36	11.29	+ 6.61	2.73	0	12	11	11	10			
Hightstown.	Mercer.	119	19	72.1	+ 0.2	98	11	47	20	36	10.82	+ 6.05	3.07	0	10	14	6	11	ne.		
Hightwood.	Bergen.	90	69.9	94	11	46	20	37	7.04	- .01	2.64	- .01	1.11	- .01	9	10	10	10			
Indian Mills.	Burlington.	76	22	72.5	- 0.6	98	11	47	20	40	13.87	+ 8.70	3.39	0	12	11	10	10	se.		
Jersey City.	Hudson.	15	13	73.6	+ 0.3	96	11	56	20	30	8.21	+ 3.56	3.64	0	10	7	16	8	s.		
Lakewood.	Ocean.	54	9	71.4	- .1	95	11	50	20	32	10.30	- .01	2.71	0	11	11	14	6	se.		
Lambertville.	Hunterdon.	95	25	72.8	+ 0.4	94	10	48 ^b	21	35 ^a	9.57	+ 4.81	3.67	0	11	14	5	12	sw.		
Layout.	Sussex.	550	12	69.0	+ 0.6	93	10	39	20	43	8.06	+ 4.42	4.24	0	9	10	12	9	s.		
Little Falls.	Passaic.	175	8	72.3	- .01	95	11	51	20	31	6.90	- .01	1.96	0	12	11	10	10	sw.		
Long Branch.	Monmouth.	30	4	72.3	- .01	95	11	51	20	31	11.53	- .01	3.58	0	12	11	10	10			
Mahwah.	Bergen.	312	9	73.6	- .01	95	11	51	20	31	6.35	- .01	0.9	0	9	10	12	10			
Moorestown.	Burlington.	71	49	73.4	+ 0.9	95	11	53	20	31	10.23	+ 5.49	3.32	0	13	9	10	12	se.		
Newark.	Essex.	140	68	72.7	+ 0.1	96	11	53	21	33	10.26	+ 5.02	3.98	0	11	8	13	10	se.		
New Brunswick.	Middlesex.	61	58	72.1	- 0.3	97	11	46	20	40	11.64	+ 6.55	5.75	0	11	8	9	14	w.		
Newton.	Sussex.	678	32	71.8	+ 2.0	95	10	51	20	35 ^a	7.78	+ 3.37	2.63	0	10	8	9	14	w.		
Northfield.	Atlantic.	4	40	73.4	+ 0.9	95	11	53	20	31	8.03	- .01	2.92	0	11	11	11	10			
Paterson.	Passaic.	80	40	70.7	- 1.3	94	10	51	21	34	5.63	+ .50	1.85	0	12	7	15	9	s.		
Phillipsburg.	Warren.	363	14	72.3	+ 0.6	96	10	48	21	36	5.31	+ .61	1.72	0	10	15	6	10	se.		
Plainfield.	Union.	100	25	71.6	- 0.5	96	11	48	21	35	8.21	+ 3.34	4.07	0	10	8	10	13	ne.		
Pleasantville.	Atlantic.	26	13	73.6	- .01	97	11	49	20	34	10.00	+ 5.31	3.29	0	11	12	12	7			
Pompton Plains.	Morris.	195	9	73.6	- .01	97	11	48	20	34	6.72	- .01	1.66	0	12	11	11	10			
Rivervale.	Bergen.	70	20	72.8	+ 0.9	98	11	49	20	36	6.67	+ 2.41	2.10	0	9	12	11	8	nw.		
Somerville.	Somerset.	76	28	72.8	+ 0.9	98	11	49	20	36	8.17	+ 3.46	3.35	0	10	7	14	9	se.		
South Orange.	Essex.	200	41	70.8	+ 0.1	93	11	52	21	29	8.42	+ 3.03	3.25	0	9	8	14	9	s.		
Sussex.	Sussex.	442	21	70.6	+ 1.0	95	10	43	21	40	7.10	+ 2.78	3.16	0	9	11	6	14	sw.		
Tuckerton.	Ocean.	23	18	73.2	+ 1.0	101	11	47	21	34	14.74	+ 8.96	7.31	0	11	11	13	7	se.		
Woodbine.	Cape May.	43	20	74.0	+ 1.8	96	11	48	20	35 ^a	8.56	+ 4.26	4.19	0	11	11	8	12			
<i>West Virginia.</i>																					
Bayard.	Grant.	2,500	10	67.9	+ 2.0	93	11	40	20	49	10.85	+ 6.65	2.50	0	14	13	10	8	w.		
Burlington.	Mineral.	875	17	72.8	+ 1.4	101	11	46	21	45	5.57	+ 2.03	2.00	0	10	4	23	4	w.		
Franklin.	Pendleton.	5	5	70.2	- .01	91	11	48	20	31	6.64	- .01	2.00	0	13	14	13	4	w.		
Lost City.	Hardy.	435	15	75.2	+ 3.9	102	11	51	21	37	10.00	+ 6.54	.....	0	13	15	6	10	se.	
Martinsburg.	Hardy.	900	15	75.2	+ 3.9	102	11	52	22	33	6.49	- .01	1.67	0	16	13	13	5	se.		
Moorefield.	Hampshire.	824	14	74.4	+ 1.8	101	11	46	20	41	9.12	+ 5.65	2.65	0	15	13	12	6	w.		
Romney.	Pendleton.	1,230	14	72.5	+ 1.2	97	11	48	19	38	8.36	+ 4.34	2.10	0	14	1	26	4	w.		
<i>Maryland.</i>																					
Annapolis.	Anne Arundel.	45	33	78.9	+ 2.3	99	11	50	19	27	14.05	+ 9.18	7.35	0	15	17	4	10	se.		
Baltimore.	Baltimore (city).	115	41	76.2	+ 1.5	98	11	58	20	27	12.28	+ 8.07	3.12	0	15	9	10	12	s.		
Cambridge.	Dorchester.	25	13	78.4	+ 2.1	101	11	55	21	31	10.89	+ 6.35	3.63	0	15	10	6	8	t.		
Cheltenham.	Prince George.	230	11	76.4	- .01	99	11	52	22	33	6.49	- .01	1.67	0	16	13	13	5	se.		
Chestertown.																					

TABLE 1.—*Climatological data for August, 1911. District No. 1—Continued.*

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.					Precipitation, in inches.					Sky.	Prevailing wind direction.	Observers.				
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmeted.	Number of rainy days, 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.		
<i>Maryland—Continued.</i>																				
Salisbury.....	Wicomico.....	23	6	77.0	.....	96	10†	51	21	32	6.59	.....	1.88	0	12	14	13	4	sw.	W. E. Downing.
Solomons.....	Calvert.....	20	20	79.4	+ 2.2	99	17	62	30†	27	7.70	+ 3.69	2.02	0	12	6	11	14	se.	Dr. W. H. Marsh.
State Sanatorium.....	Frederick.....	1,200	3	72.6	.....	97	11	52	30	30	11.25	+ 7.96	3.76	0	18	15	6	10	sw.	Joseph V. Shimek.
Sudlersville.....	Queen Anne.....	65	12	75.7	+ 2.0	97	11	51	21	37	9.82	+ 6.50	3.15	0	15	14	8	9	e.	J. E. Higman.
Takoma Park.....	Montgomery.....	320	13	74.2*	+ 1.0	98*	11	53	21†	34	6.00	+ 0.77	1.65	0	13	7	18	6	.....	L. M. Mooers.
Taneytown.....	Carroll.....	450	12	73.8	.....	98	11	50	20	32	11.29	+ 7.27	3.65	0	12	11	18	2	e.	James B. Galt.
Townson.....	Baltimore.....	465	3	72.8	.....	98	11	50	20	37	13.41	.....	5.38	0	13	15	7	9	se.	C. W. E. Treadwell.
Van Bibber.....	Harford.....	100	14	74.0	+ 0.4	94	15†	50	20	32	11.08	+ 5.15	2.74	0	14	13	13	5	se.	W. Benj. Ford.
Westernport.....	Allegany.....	1,000	17	73.4	+ 1.9	101	11	46	20	42	8.13	+ 4.72	1.15	0	12	.....	.....	.....	.....	Prof. O. H. Bruce.
Westminster.....	Carroll.....	860	18	74.6*	+ 3.2	97*	11	51	22	32*	10.43	+ 5.22	2.56	0	15	16	7	8	sw.	Prof. G. F. Morelock.
Woodstock.....	Baltimore.....	392	37	74.6d	+ 2.3	95c	17†	50d	21†	36d	11.28	+ 7.14	5.03	0	11	15b	1b	13b	nw.	Rev. A. J. Donlon, S. J.
<i>Delaware.</i>																				
Delaware City.....	New Castle.....	20	9	75.6	.....	92	11	54	20	27	6.02	.....	1.20	0	12	20	4	7	s.	H. Morton Price.
Dover.....	Kent.....	40	23	75.8	+ 1.0	99	11	51	22	34	10.32	+ 6.22	3.10	0	14	10	11	10	e.	Thos. F. Dunn.
Milford.....	do.....	20	27	75.2	+ 0.4	95	11	53	21	27	14.68	+ 11.14	2.07	0	15	14	9	8	se.	Chas. J. Holzmueller.
Millsboro.....	Sussex.....	20	19	75.6	+ 1.1	97	11	51	21	30	7.42	+ 2.34	1.06	0	11	15	7	9	sw.	Rev. L. W. Wells.
Seaford.....	do.....	40	18	75.0	+ 0.5	93	11	52	21	28	10.90	+ 6.88	2.46	0	14	17	5	9	se.	E. B. Brown.
<i>District of Columbia.</i>																				
Washington.....		112	41	76.6	+ 2.1	100	11	54	21	31	7.27	+ 2.87	2.12	0	16	10	11	10	s.	U. S. Weather Bureau.
<i>Virginia.</i>																				
Culpeper.....	Culpeper.....	450	3	75.5	.....	98	11	51	22	34	8.84	.....	3.00	0	14	4	22	5	se.	Col. H. C. Burrows.
Dale Enterprise.....	Rockingham.....	1,350	32	73.2	+ 1.0	98	11	46	22	42	5.96	+ 1.92	1.45	0	14	10	18	3	se.	Rev. L. J. Heatwole.
Eastville.....	Northampton.....	15	1	73.8	+ 2.9	98	11	61	19†	30	4.55	+ 0.23	1.29	0	7	16	8	7	sw.	Thos. B. Robertson.
Fredericksburg.....	Spotsylvania.....	100	22	76.0	+ 0.5	97	11	52	22	36	6.72	+ 2.10	2.55	0	14	12	14	5	se.	S. G. Howison.
Lincoln.....	Loudoun.....	500	10	76.8	+ 3.6	102	11	47	22	46	8.75	.....	2.84	0	11	13	13	5	nw.	Dr. Geo. Roberts.
Mount Weather.....	do.....	1,720	7	76.9	+ 1.5	91	11	52	30	22	11.48	+ 7.86	4.19	0	14	8	11	12	se.	U. S. Weather Bureau.
Quantico.....	Prince William.....	16	14	79.2	+ 4.7	98	17	60	21†	32	7.02	.....	2.02	0	9	18	10	3	nw.	Rich., Fdsbg. & Pot. R. R.
Staunton.....	Augusta.....	1,380	19	74.6	+ 1.5	98	11	52	22	33	6.56	+ 2.70	1.44	0	18	12	9	10	sw.	Ernest Nottingale.
Warsaw.....	Richmond.....	160	19	78.6	+ 3.1	95	2†	56	23	31	7.18	+ 2.64	2.40	0	9	8	16	7	s.	C. H. Constable.
Woodstock.....	Shenandoah.....	927	15	74.3	+ 0.6	100	11	49	20†	39	10.23	+ 6.39	2.76	0	18	14	11	6	w.	Mrs. A. G. Artz.

*, b, *, etc., indicate respectively 1, 2, 3, etc., days missing from the record.

** Temperature extremes are from observed readings of the dry bulb; means are computed from observed readings.

† Also on other dates.

T. Precipitation is less than 0.01 inch rain or melted snow.

TABLE 2.—*Daily precipitation for August, 1911. District No. 1, North Atlantic States.*

Stations.	Watershed.	Day of month.																														Total.				
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31				
Maine.																																				
Ashland.....	St. John.....								.03			.15																						2.72		
Bar Harbor.....	Coast.....											.15			T.	.30																		3.19		
Cornish.....	Saco.....											.10				.23		.02	.78														3.13			
Danforth.....	Penobscot.....											.20			T.	.27		.30															1.05			
Eastport.....	Coast.....											.06		T.	.27		.77		.105													0.72				
Eustis.....	Kennebec.....											.02	T.		.59		T.	.75	.42		.22	.51			T.			.29		.19	.39		4.39			
Fairfield.....	do.....											.01	T.				.18				.135												2.38			
Farmington.....	do.....											.28				.23		T.	T.	.15													3.90			
Gardiner.....	do.....											.03																							0.01	
Houlton.....	St. John.....											.10																							2.80	
Howe Brook.....	Penobscot.....											.20			T.																				6.05	
Lewiston.....	Andr'sc'g'in.....											.20																							12.24	
Madison.....	Kennebec.....											.15																							7.01	
Millinocket.....	Penobscot.....											.18						*	3.10		.02	.92											3.90			
North Bridgton.....	Saco.....											.36																							2.82	
Oquossoc.....	Andr'sc'g'in.....											.15																							2.94	
Orono.....	Penobscot.....											.48																							2.94	
Patten.....	do.....											.25																							4.55	
Portland.....	Coast.....											.01	.01		T.																			2.56		
Presque Isle.....	St. John.....											.33																							2.87	
Rumford Falls.....	Andr'sc'g'in.....											T.																							4.85	
Winslow.....	Kennebec.....											.13			T.																				2.63	
New Hampshire.																																				
Astead Center.....	Connecticut.....											.03																							3.79	
Benton.....	do.....											.42																							4.42	
Bethlehem.....	do.....											.02																							6.07	
Brookline.....	Merrimack.....											T.																								5.32
Concord.....	do.....											.01																								
Durham.....	do.....											.13																								
Franklin.....	do.....											.13																								
Grafton.....	do.....											.13																								
Hanover.....	Connecticut.....											.25																								
Keene.....	do.....											.29																								
Nashua.....	Merrimack.....											.42																								
Newton.....	do.....											.33																								
Plymouth.....	do.....											T.																								
Vermont.																																				
Bloomfield.....	Connecticut.....											.60																								
Cavendish.....	do.....											.12																								
Chelsea.....	do.....											.42																								
Manchester.....	Hudson.....											.33																								
St. Johnsbury.....	Connecticut.....											.01	T.																							
Vernon.....	do.....											.16																								
Woodstock.....	do.....											.13																								
Massachusetts.																																				
Amherst.....	Connecticut.....											.05																								
Ashland.....	Merrimack.....											.01																								
Baker Bridge.....	do.....											.90																								
Bedford.....	do.....											.05																								
Blue Hill.....	Coast.....											T.																								
Boston.....	do.....											.05																								
Chestnut Hill.....	do.....											.42																								
Clinton.....	Merrimack.....											.34																								
Concord.....	do.....											.22																								
Fall River.....	Coast.....											.14																								
Fitchburg.....	Merrimack.....											.01																								
Framingham.....	do.....											.01																								
Haverhill.....	do.....											.16																								
Hingham.....	Coast.....				</td																															

TABLE 2.—*Daily precipitation for August, 1911. District No. 1—Continued.*

Stations.	Watershed.	Day of month.																													Total.			
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
<i>Rhode Island—Con.</i>																																		
Hope Valley	Coast	.04																																5.86
Kingston	do	.15																															6.24	
Narragansett Pier	do																																7.43	
Pawtucket	do																																5.69	
Providence	do																																4.86	
Walton Lake	do																																6.27	
<i>Connecticut.</i>																																		
Bridgeport	Coast																																6.01	
Canton	Connecticut																																5.38	
Colchester	Coast	1.01																															7.23	
Cream Hill	Housatonic																																	
Falls Village	do																																7.27	
Hartford	Connecticut	T.																															6.11	
Hawleyville	Housatonic																																5.56	
Lake Konomoc	Coast																																7.78	
New Haven	do																																4.14	
New London	do																																5.57	
North Grosvenor Dale	do																																6.98	
Norwalk	do																																3.46	
Southington	T.																																7.20	
South Manchester	Connecticut																																3.79	
Storrs	Coast																																5.08	
Wallingford	do																																4.75	
Waterbury	Housatonic																																8.11	
West Simsbury	Connecticut																																6.14	
<i>New York.</i>																																		
Addison	Susq'hanna	.03	.02	.04																													6.26	
Albany	Hudson																																4.53	
Alfred	Susq'hanna	.58	.04	.07	.06	.40																										7.00		
Amsterdam	Mohawk																																2.61	
Athens	Hudson																																2.31	
Ballston Lake	do																																2.32	
Bedford	Coast																																2.32	
Binghamton	Susq'hanna	T.	T.	.01	.16																											2.32		
Blue Ridge	Hudson																																2.63	
Bouckville	Susq'hanna																																4.17	
Carmel	Hudson																																3.39	
Chatham	do																																7.00	
Cooperstown	Susq'hanna	.26	.04																														7.39	
Corinth	Hudson																																2.79	
Cortland	Susq'hanna																																3.69	
Cutchogue	Coast																																10.02	
De Ruyter	Susq'hanna																																3.56	
Glens Falls	Hudson																																2.81	
Gloversville	Mohawk																																3.55	
Greenfield Center	Hudson																																2.83	
Greenwich	do																																2.61	
Griffin Corners	Delaware																																5.45	
Haskinville	Susq'hanna	18	.08	T.	.02	.60																										1.57		
Honner	do																																3.37	
Hoosick Falls	Hudson																																4.45	
Indian Lake	do																																2.56	
Jeffersonville	T.																																4.27	
Knowellhurst	Hudson																																2.66	
Liberty	Delaware	.03																															3.02	
Little Falls	Mohawk																																3.02	
Mechanicsville	Hudson																																2.21	
Mohonk Lake	do																																5.85	
Morehouseville	Mohawk																																4.66	
Morrisville	T.																																3.24	
Mount Hope	Susq'hanna																																8.59	
Newark Valley	Coast																																4.22	
New Berlin	Susq'hanna	.03																															3.69	
Newcomb	Hudson																																2.48	
New Lisbon	Susq'hanna	.05																															4.38	
New York City	Coast																																3.03	
North Creek	Hudson																																	

TABLE 2.—*Daily precipitation for August, 1911. District No. 1—Continued.*

TABLE 2.—*Daily precipitation for August, 1911. District No. 1—Continued.*

* Precipitation included in that of the next measurement.

[†] Separate dates of falls not recorded.

Precipitation for the 24 hours ending on the morning when it is measured.
T Precipitation is less than 0.01 inch rain or melted snow.

T. Precipitation is less than 0.01 inch rain or melted snow.

TABLE 3.—Maximum and minimum temperatures at selected stations for August, 1911. District No. 1, North Atlantic States.

Date.	Maine.												Concord, N. H.	Massachusetts.								Provi- dence, R. I.	Connecticut.						
	Eastport.		Greenville.		Orono.		Portland.		Presque Isle.		Rumford Falls.			Amherst.		Boston.		Middle- boro.		Nantucket.				Cream Hill.		Hartford.			
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.		Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.		Max.	Min.	Max.	Min.			
1....	69	58	82	59	88	57	68	56	79	65	83	59	87	61	90	61	79	62	86	61	89	60	86	65	90	64			
2....	68	53	77	62	81	54	59	55	80	60	76	64	71	58	82	61	64	60	70	69	58	69	60	74	62	76	62		
3....	74	53	76	57	80	56	69	56	86	60	72	62	78	58	78	62	67	58	76	55	68	58	73	55	70	60	76	63	
4....	73	53	81	53	81	51	69	54	88	54	80	62	82	57	82	62	76	65	77	61	70	60	79	62	76	59	78	61	
5....	76	57	82	50	83	50	70	56	87	55	82	55	82	54	84	60	70	62	77	61	81	60	80	56	84	53	84	53	
6....	80	60	82	57	86	50	71	59	85	60	83	61	81	60	88	60	70	62	78	61	80	60	73	62	86	62	87	64	
7....	71	55	82	60	86	56	75	59	86	62	84	64	84	61	86	61	69	61	83	60	83	63	82	63	87	64	87	64	
8....	67	55	78	60	85	57	65	60	86	60	78	65	80	60	86	64	72	63	80	63	71	60	78	64	80	59	83	64	
9....	69	57	73	59	82	62	75	62	81	62	84	64	88	65	86	66	81	66	78	64	72	60	79	65	86	61	84	67	
10....	83	58	80	56	88	63	84	62	86	60	87	60	92	59	94	58	92	70	90	64	85	67	89	68	92	65	94	65	
11....	65	54	69	53	88	52	72	56	76	60	64	54	77	57	82	60	80	62	86	63	79	63	89	62	82	68	87	67	
12....	73	52	69	52	72	45	78	54	74	60	74	50	83	55	80	50	80	51	74	61	80	58	80	52	82	58	82	63	
13....	77	56	75	50	80	46	81	58	80	48	79	48	82	51	83	51	84	62	80	55	77	60	81	62	78	58	82	63	
14....	74	57	79	55	84	56	84	60	82	49	84	54	86	50	91	51	90	63	86	56	80	63	89	59	86	59	89	59	
15....	72	55	82	57	86	59	81	65	85	46	84	61	89	57	90	54	91	69	87	56	77	66	88	67	84	63	89	64	
16....	62	55	65	58	86	59	75	63	72	56	72	60	75	58	84	62	81	68	82	64	81	66	82	67	78	56	81	68	
17....	74	54	70	47	78	50	76	59	72	46	76	57	83	55	84	58	85	65	83	53	82	63	84	65	80	58	86	64	
18....	74	57	74	54	83	53	80	60	78	50	78	54	81	51	83	55	87	63	84	58	77	63	82	61	84	56	87	61	
19....	58	52	65	52	82	53	71	56	77	50	68	55	71	54	57	76	60	75	56	76	60	75	58	70	52	74	54	74	
20....	65	53	65	51	71	49	73	51	65	40	68	51	74	51	76	46	76	56	75	47	71	60	76	54	74	48	75	57	
21....	76	56	75	45	77	47	77	53	72	50	77	55	79	44	80	44	81	57	79	44	77	60	79	55	78	54	80	49	
22....	73	55	79	52	83	48	72	56	82	55	80	50	82	49	82	52	80	52	78	51	75	59	75	60	82	53	81	57	
23....	72	53	69	53	80	50	86	58	70	48	72	54	83	52	83	53	89	62	87	47	75	66	90	53	84	56	88	59	
24....	72	53	70	43	84	40	73	54	72	37	74	49	75	48	72	52	73	61	75	52	71	61	74	60	76	54	71	60	
25....	66	53	70	43	79	46	65	56	77	37	70	50	61	56	62	58	66	59	63	57	65	58	63	61	52	62	57	62	
26....	57	52	61	51	73	52	65	56	67	52	70	55	77	56	79	58	68	60	73	59	69	63	77	60	71	50	78	59	
27....	59	51	68	56	76	56	62	58	71	55	67	61	64	58	67	62	62	60	65	62	67	61	65	62	68	56	70	65	
28....	66	50	67	55	66	54	70	58	76	55	68	60	75	58	80	62	80	62	81	62	76	62	80	61	67	54	83	65	
29....	68	56	63	55	70	54	70	55	69	53	69	55	68	56	69	57	75	62	83	62	78	63	80	60	62	56	75	57	
30....	64	52	63	47	67	45	63	53	70	40	66	49	66	61	66	54	62	56	62	56	65	60	65	63	62	64	52	64	
31....	57	51	60	41	80	41	58	52	68	34	64	46	59	51	56	54	60	56	60	54	68	54	59	54	61	49	57	53	53
Mns..	69.5	54.4	72.6	53.0	80.3	52.0	72.2	57.1	77.4	52.2	75.3	56.3	77.7	55.0	80.0	56.9	76.3	61.7	78.0	56.8	73.8	61.0	78.3	60.6	76.5	57.3	79.9	60.9	

Date.	New York.												Everett.	Pennsylvania.												Atlantic City, N. J.		
	New Haven, Conn.		Addison.		Albany.		Bingham- ton.		Indian Lake.		Little Falls.		New York.		Harris- burg.		Philadelphia.		Scranton.		State Col- lege.		Wellsboro.					
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.				
1....	90	65	96	56	91	64	89	59	91	51	91	63	86	71	88	57	87	67	89	68	89	62	90	44	81	70		
2....	74	65	93	67	88	69	87	68	90	50	91	64	79	69	89	63	85	68	87	68	86	65	86	44	81	73		
3....	75	65	84	68	80	68	78	69	85	64	83	65	75	66	83	65	82	68	82	71	80	68	83	65	81	66	82	72
4....	74	62	81	67	80	68	76	70	87	60	84	65	72	66	84	67	75	68	81	69	77	69	80	65	79	61	82	72
5....	82	58	92	62	88	64	80	68	91	55	87	64	78	66	81	69	80	68	81	67	80	68	84	63	80	72	84	72
6....	80	64	93	64	89	65	85	54	88	65	82	68	80	61	84	68	86	68	83	66	85	64	85	62	79	72	87	68
7....	78	65	98	60	87	70	87	62	87	58	85	61	76	69	86	68	85	68	83	69	86	63	80	60	78	70	88	68
8....	78	67	94	68	83	67	81	70	80	51	82	57	77	67	86	67	82	70	85	67	80	69	87	70	85	65	88	68
9....	81	70	90	60	86	71	80	64	82	64	79	65	83	70	94	59	87											

TABLE 3.—*Maximum and minimum temperatures for August, 1911. District No. 1—Continued.*

Date.	New Jersey.								Martinsburg, W. Va. ^{§§}	Maryland.								Millsboro, Del.	Washington, D. C.	Virginia.								
	Bridgeton.		Hights- town.		Phillips- burg.		Sussex.			Baltimore.		Darling- ton.		Freder- ick.		Western- port.					Culpeper.		Freder- icksburg.					
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.		Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.			Max.	Min.	Max.	Min.	Max.	Min.			
1....	90	64	90	60	92	61	91	59	94	64	88	72	86	63	90	64	89	50	88	67	92	71	91	63	91	63		
2....	91	65	89	65	90	64	87	58	92	65	90	74	85	69	93	71	94	57	86	67	93	72	92	65	91	63		
3....	80	70	83	69	85	69	78	67	93	72	83	71	78	67	87	71	84	66	81	72	86	71	93	61	92	68		
4....	83	68	79	65	79	68	78	66	84	71	79	70	75	69	84	70	83	67	78	69	83	71	84	71	82	69		
5....	83	67	84	59	84	68	83	64	85	69	79	69	78	68	81	69	83	68	79	68	80	69	71	80	69	86	66	
6....	87	65	89	60	89	65	86	61	88	69	85	70	83	68	84	70	82	68	81	68	85	69	84	70	84	70	82	68
7....	85	62	83	62	88	65	82	62	89	67	83	72	82	64	86	67	91	65	79	61	86	67	87	69	84	67	87	59
8....	89	61	87	57	86	65	79	60	92	67	83	72	81	65	87	68	98	66	83	59	86	71	89	66	86	64	94	64
9....	91	70	86	67	93	68	90	67	95	71	87	74	89	71	90	69	96	66	90	69	92	72	91	70	90	70	93	66
10....	99	66	95	59	96	61	95	67	68	62	90	70	92	65	90	63	95	56	96	70	95	68	93	67	91	65	93	64
11....	100	68	98	63	96	64	92	65	102	65	98	72	94	63	97	66	101	59	97	70	100	70	98	67	97	70	96	69
12....	89	68	83	63	84	63	84	57	87	67	82	70	82	65	85	67	86	68	80	66	77	71	84	70	89	72	84	70
13....	85	65	75	62	77	62	79	63	85	71	83	72	80	67	85	70	86	68	83	66	87	71	89	71	88	70	90	64
14....	92	65	90	58	91	59	91	53	85	68	84	69	83	68	81	67	91	65	89	66	87	69	92	67	85	68	87	65
15....	97	69	91	68	89	65	88	60	85	68	89	74	86	68	88	70	84	67	89	70	88	72	87	68	90	70	80	66
16....	92	65	87	63	86	65	84	66	91	68	90	70	86	65	88	67	89	61	88	67	90	69	90	65	91	70	89	61
17....	96	68	92	65	92	67	90	62	96	70	96	76	90	69	94	70	94	65	96	70	94	70	93	65	95	69	92	68
18....	86	65	85	62	87	61	87	61	88	65	86	68	83	62	84	67	87	64	88	63	87	67	87	70	87	67	87	67
19....	85	55	77	53	78	56	76	56	80	55	79	62	76	56	79	56	78	52	79	56	79	60	81	56	82	59	83	55
20....	83	57	80	47	81	50	79	46	83	52	78	54	78	57	81	51	80	46	78	54	79	57	78	57	79	61	79	53
21....	87	52	84	48	83	45	83	43	85	51	80	58	81	53	81	52	84	47	79	51	80	54	82	54	82	55	81	54
22....	89	54	83	51	85	52	84	50	87	52	80	60	82	52	82	51	89	51	79	55	86	55	83	51	83	52	85	52
23....	94	58	92	56	92	56	89	56	92	58	91	64	89	57	89	58	91	55	90	60	94	63	92	58	94	58	91	61
24....	87	68	81	64	70	60	75	60	79	58	84	70	81	65	83	66	86	61	90	66	91	69	90	64	94	64	91	60
25....	87	65	69	60	65	58	60	57	84	63	88	66	83	62	83	63	82	62	93	70	89	67	90	65	91	64	89	61
26....	90	69	79	66	82	62	82	60	81	64	83	71	81	68	81	70	78	66	90	71	84	72	88	70	88	70	88	68
27....	85	70	75	68	74	68	73	67	84	68	86	72	82	68	81	69	88	66	88	73	89	59	90	69	87	68	86	68
28....	90	74	89	69	89	69	86	68	90	70	88	76	85	71	89	74	91	68	90	73	91	76	88	74	91	74	86	65
29....	90	66	86	65	77	57	80	57	72	71	87	62	82	61	89	61	77	58	91	72	89	62	85	65	85	68	85	68
30....	67	56	65	55	64	55	63	53	60	57	63	58	63	55	63	57	60	57	72	63	62	59	65	59	68	60	60	58
31....	64	59	59	55	57	53	59	53	61	55	62	59	59	56	61	56	64	55	80	63	63	59	65	56	63	59	64	56
Mns..	87.5	64.3	83.4	60.8	83.2	61.4	81.6	59.5	86.0	64.3	84.0	68.5	81.8	63.7	84.3	64.8	85.8	61.0	85.5	65.6	85.9	67.2	86.3	64.8	86.2	65.9	86.0	63.1

*, **, etc., indicate respectively 1, 2, 3, etc., days missing from the record.

§ Data are from standard instruments not supplied by the U. S. Weather Bureau.

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.